



DOCKET NO.: ABDT-0580

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Thottathil V. Oommen, et al.

Confirmation No.:

Application No.: 10/663,089

Group Art Unit: Not Yet Assigned

Filing Date: September 15, 2003

Examiner: Not Yet Assigned

**For: HIGH OLEIC ACID OIL COMPOSITIONS AND METHODS OF MAKING
ELECTRICAL INSULATION FLUIDS AND DEVICES COMPRISING THE
SAME**

DATE OF DEPOSIT: *October 17, 2003*

I HEREBY CERTIFY THAT THIS PAPER IS BEING
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Richard D. Watkins

TYPED NAME: Richard D. Watkins
REGISTRATION NO.: 50,993

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;
or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☐ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:

- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☒ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
 - ☒ Copies of references **1 thru 65** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **09/928,000**, filed **August 10, 2001**.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date:

October 17, 2003



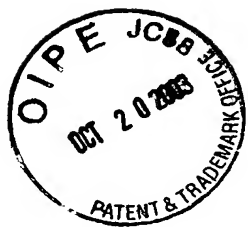
Richard D. Watkins
Registration No. 50,993

WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439



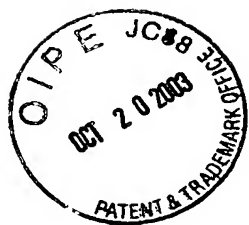
Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ABDT-0580	Application No. 10/663,089
		Applicant Thottathil V. Oommen, et al.	
		Filing Date September 15, 2003	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	1	Brochure, "SUSTANE FOOD-GRADE ANTIOXIDANTS" UOP, Foo Products and Processes, 1994. Brochure, "SUSTANE FOOD-GRADE ANTIOXIDANTS" UOP, Food Products and Processes, 1994	
	2	Sundin et al., "Fluid Choices in Retrofilling PCB Transformers," IEEE International Symposium on Electrical Insulation, June 7-10, 1992	
	3	Keshavamurthy et al., "Rape Seed Oil Derivative As A New Capacitor Impregnant," IEEE International Symposium on Elrical Insulation, June 5-8, 1994	
	4	CIBA, [Additives Division, Ciba-Geigy Corporation, Tarrytown, NY] Product Information, DATA NOTES , Issue No. 12, Revised March 1996	
	5	CIBA, [Additives Division, Ciba-Geigy Corporation, Tarrytown, NY] Product Information, DATA NOTES , Issue No. 9, Revised March 1996	
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	7	CIBA, [Additives Division, Ciba-Geigy Corporation, Tarrytown, NY] Product Information, DATA NOTES , Issue No. 3, October, 1981 CIBA, [Additives Division, Ciba-Geigy Corporation, Tarrytown, NY] Product Information, DATA NOTES , Issue No. 3, October, 1981	
	8	Marinho, A., Jr., et al., "Castor oil as an insulating liquid," <i>Cigre Symposium</i> , 1987, Section 5, 55-06, 5 pages	
	9	Moumine, I., et al., "Vegetable oil as an impregnant in HV AC capacitors," <i>IEEE</i> , 5 th International Conference, 1995, 611-615	
	10	Sundin, D., "The service history of ester-based fluids used in railway transformers," <i>IEEE</i> , International Symposium, 1990, 31-34	
*	11	Annual Book of ASTM Standards, Vol. 5 and 10, American Society for Testing Materials, 100 Barr Harbor Drive West, Conshohocken, PA 19428	
EXAMINER		DATE CONSIDERED	

* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office because it is believed to be too voluminous and easily obtainable by the Examiner



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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
*	12	Bailey's Industrial Oil and Fat Products, Vols. 1, 2 & 3, 4 th Ed., 1979, John Wiley & Sons	
*	13	Patterson, H.B.W., "Bleaching and purifying fats and oils," <i>AOCC Press</i> , 1992	
	14	Nishikawa, S., et al., "Electric insulating oils," Jpn. Kokai Tokkyo Koho JP 61,156,604 [86,156,604], July 16, 1986, Appl. No. 84/279,047, December 27, 1984, <i>Chemical Abstracts</i> 105: 175723b, November 17, 1986, 105(20), page 190	
	15	Nishikawa, S., "Electric insulating oils," Jpn. Kokai Tokkyo Koho JP 61,156,605 [86,156,605] July 16, 1986, Appl. No. 84/279,046, December 27, 1984, <i>Chemical Abstracts</i> 105: 194323n, December 1, 1986, 105(22), page 195	
	16	Nishikawa, S., "Oil insulators for electric apparatus," Jpn. Kokai Tokkyo Koho JP 61,260,503 [86,260,503], November 18, 1986, Appl. No. 85/103,288, May 14, 1985, <i>Chemical Abstracts</i> 106: 112361g, April 6, 1987, 106(14), page 683	
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	19	2,369,090	02/06/45	Trautman	174	17
	20	3,894,959	07/15/75	Gardiner, et al.	252	69
	21	4,082,866	04/04/78	Link	427	294
	22	4,206,066	06/03/80	Rinehart	252	63.2
	23	4,536,331	08/20/85	Shedigan	252	579
	24	4,621,302	11/04/86	Sato, et al.	361	315
	25	4,627,192	12/09/86	Fick	47	58
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	28	4,806,276	02/21/89	Maier	252	570
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	33	5,336,423	08/09/94	Pialet, et al.	252	76
	34	5,336,847	08/09/94	Nakagami	174	17
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	36	5,429,761	07/04/95	Havelka, et al.	252	74
	37	5,538,654	07/23/96	Lawate, et al.	508	308
	38	5,580,482	12/03/96	Chasan, et al.	508	243
	39	5,766,517	06/16/98	Goedde, et al.	252	570
	40	4,108,789	08/22/78	Jay, et al.	252	64
	41	4,126,844	11/21/78	Hollister, et al.	336	198
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	52	4,972,168	11/20/90	Grimes, et al.	336	213
	53	4,993,141	02/19/91	Grimes, et al.	29	606
	54	5,025,949	06/25/91	Adkins, et al.	220	481
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					YES	NO
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